

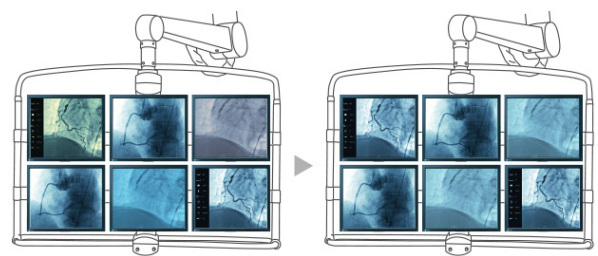
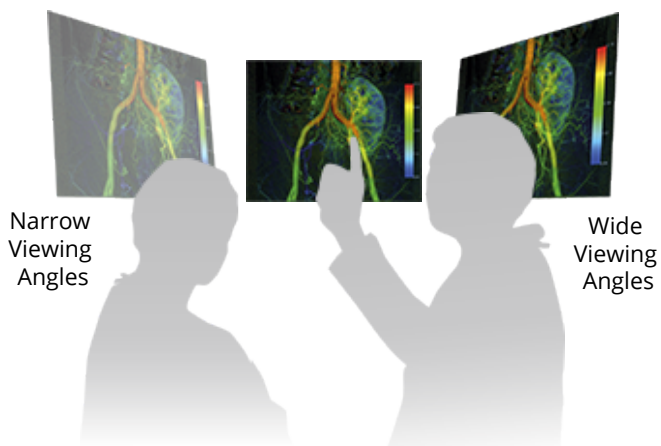
19-inch High-Brightness Color Monitor for Accurate Displaying and Diagnosis of Images in the Medical Environment

Perfect Image Reproduction with IPS LCD Technology

The LCD technology used eliminates picture geometry distortions and color spots. The monitor delivers flicker-free images, even at low refresh rates (60 Hz). In addition, IPS technology guarantees improved contrast values and significantly higher viewing angle stability. The result is a device that meets the highest ergonomic requirements.

Individualized Color Point Adjustment

The monitor's default blue color location can be adjusted to individual requirements using a color slider. This enables color adjustment in the field such as when replacing a monitor. The adjustment can be performed via the On Screen Display (OSD) without external tools such as a luminance meter or calibration software.



CuratOR® EX190

Support of Complex Timing Requirements

Although the monitor automatically detects standard video signals, older medical devices frequently cause problems due to their unusual timing. These special application requirements can be met using the Force Mode function.

Freely Adjustable User Lookup Table (LUT)

The adjustable LUT makes it possible for LUT recalculations to be initiated manually. Within this recalculation the gamma model, luminance settings, or color parameters can be modified. The LUT is calculated via OSD menu without having to access external calibration software. The reset LUT is calculated immediately, saved in the device, and used immediately for image display. This provides the user with the ability to establish the user LUT individually without using luminance meter.

Display of Different Signal Resolutions

The optimum screen resolution is 1280 x 1024 pixels. Video signals with other resolutions, common in medical technology, are automatically adapted to the screen size. Alternatively they can be displayed in original size (1:1).

Consistency with DICOM Part 14 Calibration

The monitor is precalibrated to meet the DICOM Part 14 standard, thereby ensuring permanently consistent image transmission. The five default look-up tables (LUTs) contain practice-based settings. They take into account the DIN 6868-157 room classes, thereby meeting current specifications for diagnostic monitors.

Constant Luminance Regulation

An integrated brightness sensor, using EIZO fully automated brightness control, ensures fast luminance stabilization during system start and compensates for fluctuations that occur in the course of operation due to differing ambient temperatures.

Cascading Multiple Monitors

The integrated Loop-Through output (BNC video / SoG signal) enables connection with multiple other monitors or image archiving in the operating room.

Installation on a VESA Ceiling Suspension

Compliance with the VESA standard enables attachment to existing mounting accessories.

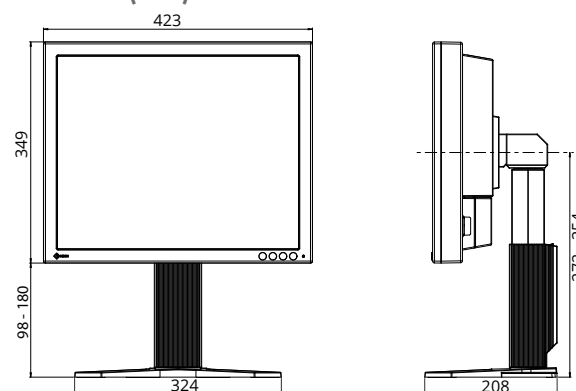
Versatile Positioning for Improved Ergonomics

EIZO's highly versatile stand offers tilt, swivel and a wide height adjustment range enabling you to use the monitor with greater comfort.

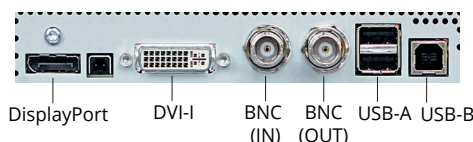
Specifications

| | | |
|---|--|---|
| Model Variations | | EX190: without Stand EX190-S: with Stand |
| Cabinet Color | | Black |
| Panel | Type | TFT Color-LCD Panel (IPS) |
| | Backlight | LED |
| | Size | 148 cm / 19" |
| | Native Resolution | 1280 x 1024 (5:4 aspect ratio) |
| | Viewable Image Size (H x V) | 376.0 x 301.0 mm |
| | Pixel Pitch | 0.294 x 0.294 mm |
| | Display Colors | 8-bit colors: 16.77 million colors |
| | Viewing Angles (H / V, typical) | 178° / 178° |
| | Brightness (typical) | 700 cd/m² |
| | Recommended Brightness for Calibration | 400 cd/m² |
| Video Signals | Input Terminals | DisplayPort (DVI-Signal), DVI-I (digital and analog RGBHV), BNC (SoG- or CVBS signal) |
| | Output Terminals (Loop-Through) | BNC (SoG signal) |
| | Digital Scanning Frequency (H / V) | 30 - 80 kHz / 60 - 75 Hz |
| | Analog Scanning Frequency (H / V) | 30 - 80 kHz / 50 - 85 Hz |
| | Sync Formats | Sync Separate, Composite Sync and SoG |
| | USB | Upstream: USB 2.0: Type-B Downstream: USB 2.0: Type-A x 2 |
| Power | Power Requirements | AC 100 - 240 V: 50 / 60 Hz |
| | Maximum Power Consumption | Less than 58W |
| | Power Save Mode | Less than 8 W |
| | Power Management | Digital: DVI DMPM Analog: VESA DPM |
| Sensor | | Backlight Sensor |
| OSD Language | | English, German |
| Features & Functions | | Color Slider, Force Mode |
| Physical Specifications | Net Weight | EX190-S: 8.1 kg |
| | Net Weight (Without Stand) | EX190: 5.1 kg |
| | Hole Spacing (VESA Standard) | 100 x 100 mm, M4, depth 5 - 10 mm |
| Degree of Protection | | IP20 |
| Certifications & Standards (Please contact EIZO for the latest information) | | CE / UKCA (Medical Device), IEC / EN60601-1, CAN/CSA C22.2 No. 60601-1-08, ANSI/AAMI ES60601-1:2005 / A2:2010, EN60601-1-2 Class B, FCC-B, RCM, RoHS, China RoHS, WEEE, CCC, BIS (EX190-S only) |
| Supplied Accessories (May vary by country. Please contact EIZO for details) | | Signal cables (DVI-D - DVI-D, DisplayPort), adapter (DVI - VGA), Utility Disk (PDF instructions for use) |
| Order Numbers | | EX190-S: 6GF6210-2EL01 EX190: 6GF6210-2EL10 |

Dimensions (mm)



Connectors



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www.eizo-or.com/contact

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